

TECHNICAL MEMORANDUM

Utah Coal Regulatory Program

January 24, 2005

TO: Internal File

THRU: D. Wayne Hedberg, Permit Supervisor

THRU: Joe Helfrich, Team Lead

FROM: James D. Smith, Environmental Specialist

RE: IBC Modification to Lease U-68082, Genwal Resources, Inc., Crandall Canyon Mine, C/015/0032, Task # 2128

SUMMARY:

On October 22, 2004 the Division received an application to modify the Crandall Canyon Mine MRP with an Incidental Boundary Change (IBC) to include a 120-acre addition to federal lease UTU-68082 (the lease modification had not actually been issued at the time the amendment was submitted). The lease modification is located in the Manti-La Sal National Forest, in the W/2NW/4, NW/4SW/4, Section 32, T. 15 S., R. 7 E (USGS Rilda Canyon 7.5-minute quadrangle). There is no surface disturbance associated with this lease modification. Access to the Hiawatha Seam, which is the only seam to be mined, will be from existing workings in the Hiawatha Seam in the Crandall Canyon #1 Mine.

OSM has determined that this is not a Mining Plan Modification.

There is an unrelated, pending amendment to add the South Crandall Canyon Extension (lease UTU-78953) to the Crandall Canyon Mine (Division Task # 2084).

TECHNICAL ANALYSIS:

ENVIRONMENTAL RESOURCE INFORMATION

Regulatory Reference: Pub. L 95-87 Sections 507(b), 508(a), and 516(b); 30 CFR 783., et. al.

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MAPS, PLANS, AND CROSS SECTIONS OF RESOURCE INFORMATION

Regulatory Reference: 30 CFR 783.24, 783.25; R645-301-323, -301-411, -301-521, -301-622, -301-722, -301-731.

Analysis:

Coal Resource and Geologic Information Maps

Plate 6-1, the geology map, and Plates 5-2 (H) and 5-2 (BC), the mine plan maps for the Hiawatha and Blind Canyon Seams, have been updated to include the 120-acre IBC modification to lease U-68082 (and the South Crandall Canyon Extension). Although older maps such as 6-3, 6-4, 6-5, 6-6, and 6-7 are still in the MRP and provide valuable information for the #1 Mine, they have effectively been superseded by 6-1, 5-2 (H), and 5-2 (BC) in the area of the IBC and South Crandall Canyon Tract and do not need to be updated.

Plate 5-2 (H) shows Hiawatha Seam thickness and cover thickness in the IBC and South Crandall Canyon Extension. Mining projections on Plate 5-2 (H) show one east-west oriented longwall panel extending into the south end of the IBC. Projected subsidence from Hiawatha Seam mining in the IBC is shown on Plate 5-2 (H).

Plate 5-2 (BC) shows Blind Canyon Seam cover thickness, but coal thickness is not shown for this seam in this area: there is no thickness information for the Blind and Bear Canyon Seams in or near the IBC, and these seams will not be mined in the IBC area.

Findings:

Maps, Plans, and Cross Sections of Resource Information are sufficient to meet the requirements of the Coal Mining Rules.

RECOMMENDATIONS:

The proposed amendment should be approved.